Audio CD Recorder

CDR775/776

- ***Instructions for use***
- ***Mode d'emploi***
- ***Instrucciones de manejo***
- ***Bedienungsanleitung***
- ***Gebruiksaanwijzing***
- ***Istruzioni per l'uso***
- ***Brugsanvisning***
- ***Bruksanvisning***
- ***Käyttöohje***
- ***Manual de utilização***
- ***Οδηγίες χρήσεως***
- ***Instrukcja obsługi***

Let's make things better.

PHILIPS

GENERAL INFORMATION

DK

Advarsel:
Usynlig laserudstråling ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

S

Varning!
Om apparaten används på annat sätt än i denna bruks-anvisning specificerats, kann användaren utsättas för osynlig laserstrålning, som överskrider gränsen för läserklass 1.

SF

Varoitus!
Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilille.

LASER SAFETY

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE OR OTHER UNSAFE OPERATION.

NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.

CE The CDR775/776 is in conformity with the EMC directive and low-voltage directive.

LASER

Type	Semiconductor laser GaAlAs
Wave lenght	775~795 nm (at 25° C)
Output Power	2,5 mW (Read) 35 mW (Write)
Beam divergence	60 degree.

NOTE: THIS WARNING IS LOCATED INSIDE THE ENCLOSURE

CAUTION	INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM
VARO!	AVATTAESSA OLET ALTIINA NÄKYMÄTTÖMÄLLE LASER SÄTTEILYLLE ÄLÄ KATSO SÄTEESEN
VARNING	OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD BETRAKTA EJ STRÅLEN
ADVERSEL	USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UNSAETTELSE FOR STRÅLING
DANGER	INVISIBLE LASER RADIATION WHEN OPEN AVOID DIRECT EXPOSURE TO BEAM
VORSICHT	UNSICHTBARE LASERSTRAHLUNG WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETSEN

CLASS 1 LASER PRODUCT

LUOKAN I LASERLAITE

KLASS 1 LASERAPPARAT

For Customer Use:

Read carefully the information located at the back plate of your CD recorder/player and enter below the Serial N°. Retain this information for future reference.

Model N°. .....CDR775/776.....

Serial N°.....

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English

English

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English

Welcome !

Thank you for buying this Philips Compact Disc Recorder / Player Double Deck.

In the eighties Philips invented a new audio system - the CD. The CD (compact disc) revealed to you the new dimensions of digital sounds and added to the pleasures of audio. Compact disc technology permits a high contrast in loud as well as in quiet passages, with perfect channel separation. Philips has now further developed compact disc technology and the result is the CD recorder.

With your Philips CD recorder/player, you can make your own high-quality audio CDs (subject only to legal restrictions on copying), either by recording at normal or high speed from the Player to the Recorder, or by recording from an external source. And naturally, you can also play all pre-recorded audio CDs, using one or both decks individually, or together as a 2-deck changer.

Note: In the United Kingdom and certain commonwealth countries use of the Philips CD Recordable/Rewritable recorder as shown or suggested in this user manual may require the authorization of copyright holders.

About this manual

This manual gives instructions for operating this CD recorder where:
- the figures (**1**) throughout the text indicate a sequence of actions necessary to perform a certain operation;
- the arrows (➜) indicate the reaction from the recorder;
- the dots (•) indicate remarks, advice or special options within a sequence of actions. The dot-marked instructions are not necessary for the required operation.

Technical data

Subject to modification without notice.

General

Power consumption .....19 W
Power consumption in Standby .....6 W
Operating temperature .....5-35° C
Weight .....4.5 kg
Dimensions .....435 x 310 x 88 mm

Audio

Frequency response .....2Hz-22.050 Hz
Playback S/N (A-weighted) .....100 dB
Playback S/N ..... 100 dB
Playback dynamic range CDR .....95 dB (90 dB)
Playback dynamic range CD .....90 dB
Playback total harmonic distortion CDR.....88 dB = 0.0033 %
Playback total harmonic distortion CD.....85 dB = 0.0056 %
Channel separation .....100 dB
Recording S/N (A-weighted) .....98 dB
Recording S/N digital without SRC .....equal to source
Recording dynamic range.....92 dB
Recording total harmonic distortion + noise
.....85 dB (0.0056%)

Discs for recording

For recording use, special audio discs must be used (for music only). These Discs bear the logos as shown below. The text 'DIGITAL AUDIO' is present!

Your recorder uses two types of discs for recording purposes:

- **CD-Audio Recordable** (CDR) discs: fully recorded and finalized, these discs play on all CD players and recorders.

- **CD-Audio ReWritable** (CDRW) discs: can be recorded, erased and re-recorded hunderds of times. When finalized, they play on CDRW compatible CD players and recorders. In the course of 1999 most Philips CD players and recorders will be CDRW compatible.

To ensure proper working of the set we recommend the use of Philips audio CDR and audio CDRW discs only.

Discs for playback

Your CD recorder is able to play:

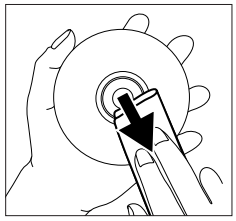
- All pre-recorded audio CDs.
- All Audio CDR and Audio CDRW.

Note: CDR(W) discs recorded with a computer can only be used when they are correctly treated according the audio standard (IEC958: Consumer part). Single session only!

Maintenance

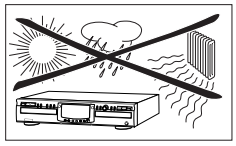
For recording it is very important to use dust and scratch free discs.

To clean a CD, wipe it in a straight line from the center toward the edge using a soft, lint-free cloth. A cleaning agent may damage the disc! Write only on the printed side of a CDR or CDRW, and only with a soft felt-tipped pen.



Clean the CD recorder with a soft, slightly dampened lint-free cloth. Do not use any cleaning agents as they may have a corrosive effect.

Do not expose the CD recorder, batteries or CDs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight).



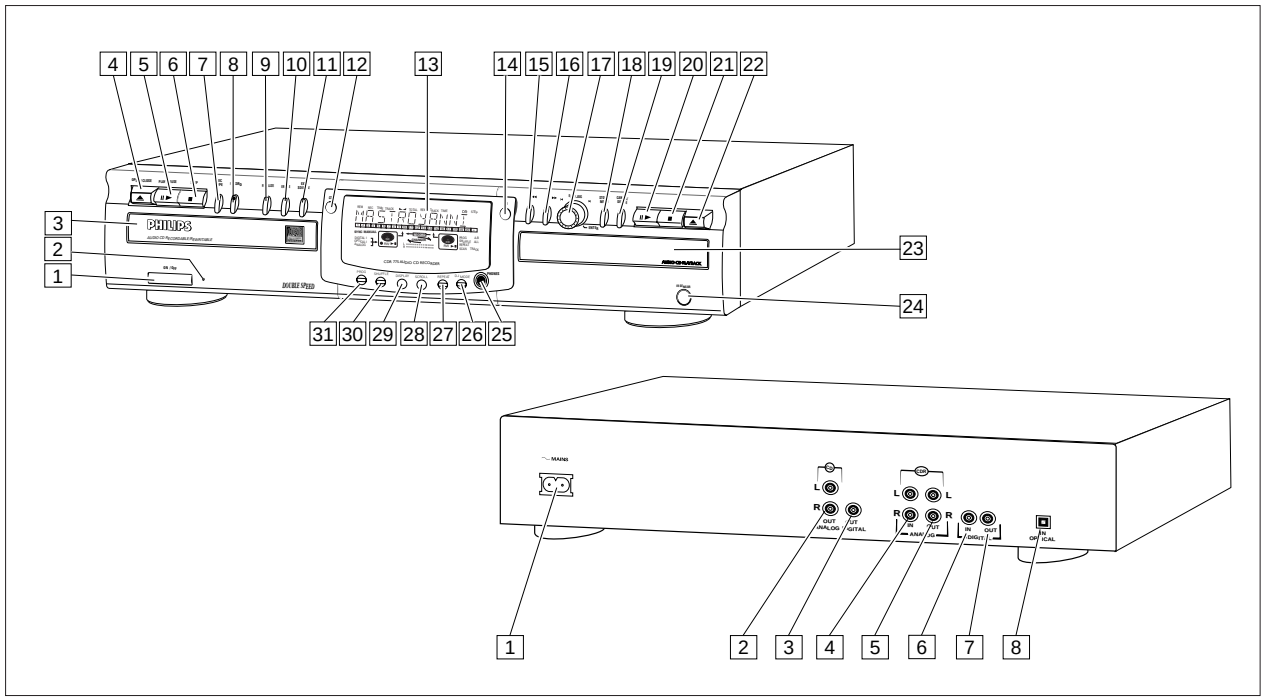
If the CD recorder cannot read CDs correctly use a commonly available cleaning CD to clean the lens before taking the CD player to be repaired. Other cleaning methods may destroy the lens. Always keep the tray closed to avoid dust on the lens.

The lenses may cloud over when the CD recorder is suddenly moved from cold to warm surroundings. It is not possible to play a CD then. Leave the CD recorder in a warm environment until the moisture evaporates.

Accessories

- 2 Analog audio cables (with red and white plugs)
- 1 Digital coaxial cable (with black plugs)
- Power cord
- 2 Batteries
- Remote control
- Guarantee

English



Controls on the front

CD recorder

1 **ON/OFF**.....turns the CD recorder ON and OFF
2 Standby indicator
3 Disc tray
4 **OPEN/CLOSE ▲**.....opens/closes disc tray
5 **PLAY/PAUSE ▶ II** .....starts play/interrupts play or recording
6 **STOP ■**.....stops/clears a program
7 **REC**(ord) **TYPE** .....selects recording modes
8 **RECORD** .....starts recording, finalizing, erasing
9 **FINALIZE** .....selects finalize mode
10 **ERASE**.....selects erasing mode
11 **SOURCE** .....selects external input source
12 **CDR** .....selects CDR display/keys

CD player

14 **CD** .....selects CD display/keys
20 **PLAY/PAUSE ▶ II** .....starts play/interrupts play
21 **STOP ■**.....stops/clears a program
22 **OPEN/CLOSE ▲**.....opens/closes disc tray
23 Disc tray

General

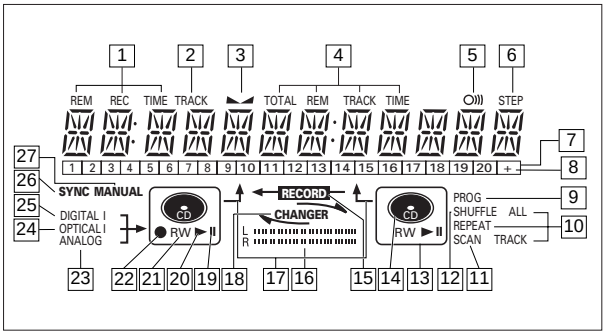
13 Display.....information screen
15 ◀◀ .....- searches backward
- cursor control in Menu/Prog. review mode
16 ▶▶ .....- searches forward
- cursor control in Menu/Prog. review mode
17 **|◀ EASY JOG ▶|** .....- previous/next track (Play and Program mode) (rotate)
- recording level control (recording)
- selects settings (menu on)
ENTER.....- plays selected tracks (push)
- selects settings in Menu mode
- programs track numbers
18 **STORE/MENU** .....- enters Menu mode
- stores Menu settings
19 **CANCEL/DELETE** .....- deletes tracks from a program
- deletes text in Menu mode
- returns to a higher level in the menu
24 **IR sensor** .....receives signals from the remote control
25 **PHONES**.....socket for headphones
26 **DJ MODE** .....separate play of CD recorder and CD player
27 **REPEAT**.....repeats play (All, program or track)
28 **SCROLL**.....activates scrolling of text over the display (once)
29 **DISPLAY**.....selects display information/text
30 **SHUFFLE**.....plays CD(RW) or program in random order
31 **PROG**(ram) .....opens/closes program memory

Note: Unless stated otherwise, all controls are on the front of the CD recorder. When provided on the remote control, you can also use the corresponding buttons, after selecting the CD recorder or CD Player by pressing CDR or CD.

Connections at the back

1 Connection to mains
4 **ANALOG IN** .....connects to the line output of an amplifier (left and right)
5 **ANALOG OUT CDR & CD** .....connects to the line input of an amplifier (left and right)
6 **DIGITAL IN**.....connects to the digital coaxial output of an external CD player
7 **DIGITAL OUT CDR & CD** .....connects to the digital coaxial input of e.g. amplifier or recording device
8 **OPTICAL IN** .....connects to the digital optical output of an external CD player
3 **DIGITAL OUT CD** .....connects CD player deck to the digital coaxial input of e.g. amplifier or recording device
2 **ANALOG OUT** .....connects CD player deck to the line input of an amplifier (left and right)

DISPLAY indications


1 2 3 4 5 6
REM REC TIME TRACK TOTAL REM TRACK TIME STEP
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 +
SYNC MANUAL
DIGITAL I
OPTICAL I
ANALOG
RECORD
CHANGER
PROG
SHUFFLE ALL
REPEAT
SCAN TRACK
RW
27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7

1 **REM/REC TIME** .....remaining recording time / recording time
2 **TRACK** .....track number
3 ◣◢ .....balance (lights during balance adjustement)
4 **TOTAL REM**
TRACK TIME .....total or remaining time of disc or track
5))) .....remote control active
6 **STEP** .....indicates the number of tracks in a program
7 **Track bar** .....indicates:
- tracks on a disc or in a program
- track in play
8 **+ 20** .....disc or program contains more than 20 tracks
9 **PROG**(ram) .....flashes during programming/lights in program mode
10 **REPEAT TRACK/ALL**..lights up when a track/ complete disc (or program) is repeated.
11 **SCAN** .....lights up when the first 10 seconds of each track are played.
12 **SHUFFLE ALL**.....plays tracks in random order
13 ■ .....CD player selected
14 **CD** .....CD inserted (a pre-recorded CD or finalized CDR or CDRW disc)
15 ← **RECORD –** .....lights during recording from the internal CD
16 **L/R** ▮▮ ▮▮.....record/play level bar. Indicates the audio signal level.
17 ⌟ ⌞ .....DJ mode selected
18 **CHANGER** .....changer mode selected
19 ▮▮ .....pause function active
20 ▶ .....lights during play
21 **R(W)** .....unfinalized CDR(W) disc inserted
22 ● .....lights during recording
23 **ANALOG** ⌟→ .....analog input selected for external recording
ANALOG.....analog recording
24 **OPTICAL I** → .....optical input I selected for external recording
25 **DIGITAL I** ⌝→ .....digital input I selected for external recording
26 **MANUAL** .....manual start of external recording
27 **SYNC** .....automatic or synchronised start of external recording

DISPLAY

DISPLAY messages

Messages, as listed and explained here, may appear on the display for your guidance.

General

READING .....reading disc information
OPEN .....during tray opening
CLOSE .....during tray closing
NO DISC .....no disc inserted, disc unreadable or disc inserted upside down
PROG FULL .....program full
INSERT DISC .....insert disc or insert disc in correct way
WRONG DISC .....inserted disc is no audio CD
UNFINALIZED .....unfinalized CDR(W) disc
MEMORY xx%o .....indicates the amount of text memory used for unfinalized discs

Recording

WAIT .....- when STOP ■ is pressed during recording
- when STOP ■ is pressed during recording the first 4 seconds of a track
UPDATE .....updating disc contents
DISC FULL .....no more recording possible
DIGITAL 1 .....digital coaxial input 1 selected
OPTICAL .....digital optical input selected
ANALOG .....analog input selected
COPY PROTECT .....no digital recording can be made of the external source
NOTFINALIZED .....when opening the tray with an unfinalized disc inserted (CD recorder)
RECORD FAST .....High Speed recording selected
REC LISTEN .....Listen Speed recording selected
MAKE CD .....High Speed Recording and Auto Finalize function selected
REC EXT DISC .....Synchronised start of recording from external source selected
REC EXT MAN .....Manual start of recording from external source selected
-xx DB .....level is being adjusted
DOES NOT FIT .....time left on CDR(W) disc is not enough for proposed recording
ANALOG REC .....copy prohibited track found during recording. Track will be copied analog (Copy Protection Regulations).
ERASE TRACK .....when erasing one or more tracks
ERASE DISC .....when erasing a disc
FINALIZE .....when finalizing a disc
FINALIZED .....when trying to finalize an already finalized disc
CHECK INPUT .....when RECORD is pressed while no digital source is detected
xx xx ERASE .....time countdown when erasing a track or a disc
xx xx FINAL .....time countdown when finalizing a disc
PRESS RECORD .....to start manual recording, finalizing or erasing
START SOURCE .....to start synchronised recording from a source
FINALIZED CD .....when trying to record on a finalized CDR or a prerecorded CD
UNFINALIZE/ .....when trying to record on a
PRESS ENTER finalized CDRW
PROF SOURCE .....when a professional source is connected

Play

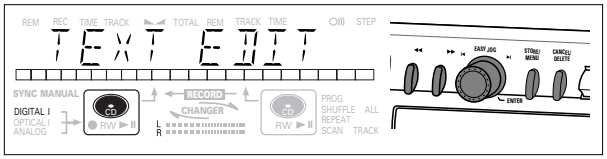
CHANGER .....CD changer-mode selected
DJ-MODE .....DJ- mode selected when recording keys are pressed in DJ-mode
PROGRAM .....program mode selected
ALBUM TITLE .....will be followed by album title
TRACK TITLE .....will be followed by track title
ALBUM ARTIST .....will be followed by artist name
TRACK ARTIST .....will be followed by track artist name

Others

NO AUDIO TR .....when the recorder enters a data track during recording
FINALIZE CD .....laser power calibration performed 96 times, finalize disc
INITIALIZING .....during laser power calibration for unfinalized discs
DISC RECOVER .....during disc recovering after power failure
OPC ERROR .....OPC failure during OPC procedure (OPC = Optimum Power Calibration)
RECORD ERROR .....recording error in menu mode
DISC ERROR .....when trying to record on or finalize a recovered disc
MEMORY FULL/ .....when text memory is full. To add a
FINALIZE CD .....CD to the list, first finalize or erase another disc from the list.

English

MENU messages - See Menu mode



Menu messages

NO TRACKS .....when attempting to edit text for a disc which has no tracks
TEXT EDIT .....when entering Text Edit mode
CD ARTIST .....when editing or erasing an artist name
CD TITLE .....when editing or erasing a title
TR N ARTIST .....when editing or erasing an artist name per track
TR N TITLE .....when editing or erasing a title per track
TEXT ERASE .....when entering Text Erase mode
ALL TEXT .....when entering All Text mode
ERASE OK .....when confirmation for erasing has to be given with ENTER key
ERASE ALL OK .....when confirmation for erasing has to be given with ENTER key
ERASE MEMORY .....when waiting for confirmation when erasing a disc
MEMORY VIEW .....when selecting text review per unfinalized disc in memory
MEMORY EMPTY .....when REVIEW is selected while no text is in memory
AUTO TRACK .....when selecting auto track increment ON or OFF
ON .....Auto Track increment on
OFF .....Auto Track increment off
SET BALANCE .....when selecting BALANCE
NO TEXT .....no text stored for disc

Connections general

For playback on the CD recorder (and/or CD player deck) the following outputs are present:
- Digital coaxial output (CD & CDR);
- Analog output (CD & CDR).

We advise you to connect these to the TAPE or CDR input on your amplifier.

For external recording the following inputs are present:
- Digital optical input;
- Digital coaxial input;
- Analog input.

For playback of CD player deck separately (DJ mode) from the CD recorder the following outputs are present:
- Digital coaxial output (CD);
- Analog output (CD).

We advise you to connect these to the CD input on your amplifier.

The connections you make will depend upon the possibilities your audio equipment offers. Please refer to the user manuals for your other audio equipment first.

Digital recordings (optical or coaxial) give the best performance in audio and usability (e.g. auto-track).
(The digital optical connection is less sensitive to external disturbances).
If your equipment does not offer digital connections, the high quality Analog-Digital-Convertor of your CD recorder will ensure very good audio performance when recordings are made from the analog input.

Playback via the digital coaxial output of the CD recorder gives the best audio performance.
If your equipment does not offer digital connections, the high quality Digital-Analog-Convertor of the CD recorder ensures a very good sound quality via the analog output.

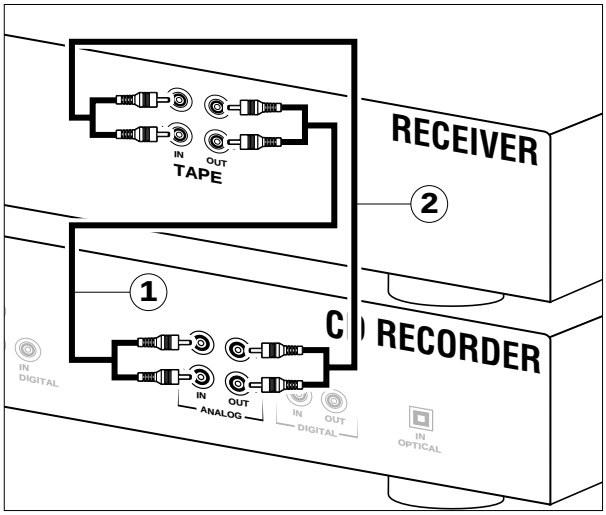
We advise you to always establish both digital and analog connections. In this way you can always make analog recordings when digital recording is not possible.

We have described the most common ways of connecting the CD recorder. If you still have difficulties with the connections you can always contact the Philips Consumer Service desk in your country.

English

Analog connections CD recorder & CD player

This connection must be made for playback on the CD recorder deck as well as the CD player deck (cable ②). Cable ① is only required if you want to make recordings from an external analog source.



Use the audio cables supplied. Connect the red plugs to the R sockets, and the white plugs to the L sockets.

1 For recording, connect cable ① between the ANALOG IN-sockets on the CD recorder and the CDR LINE- or TAPE OUT-sockets of an amplifier.

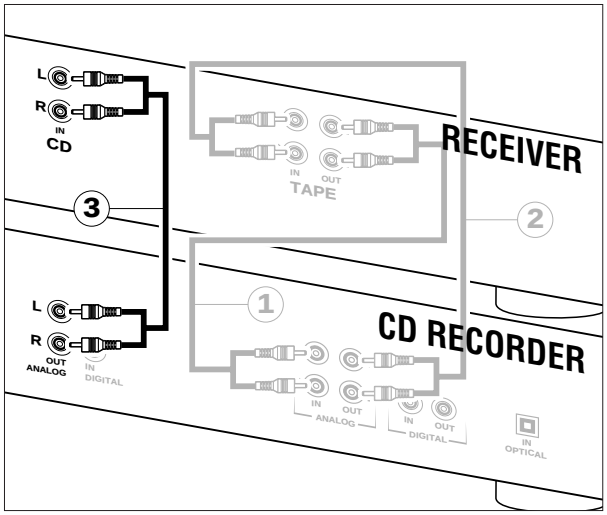
Note: For recording directly from a CD player, the analog input of the CD recorder should be connected to the analog output of the CD player.

2 For playback, connect cable ② between the ANALOG OUT-sockets on the CD recorder and the input sockets of an amplifier e.g. TAPE IN, CDR or AUX.

Note: Never use the PHONO input.

Analog connections CD player deck

This connection is only required if you want to playback on the CD player deck seperately from the CD recorder deck. This will be the case in DJ-mode.

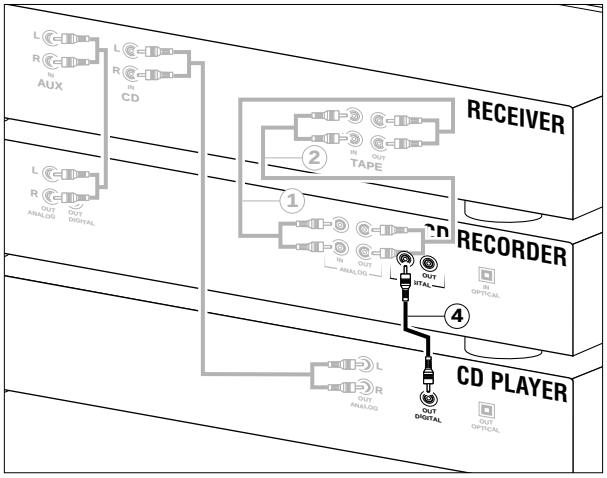


1 For separate playback on the CD player deck, connect a third cable ③ (not supplied) between the ANALOG OUT sockets of the CD recorder and the input sockets of an amplifier e.g. CD, or AUX.
(Connect the red plugs to the R sockets, and the white plugs to the L socket.)

Note:
- Never use the PHONO input.
- Your CD recorder/player is equipped with a digital coaxial output for the CD player deck. This output can be used for digital playback.

Digital coaxial connections CD recorder

This connection is only required if you want to make recordings from an external CD player with a digital coaxial output.



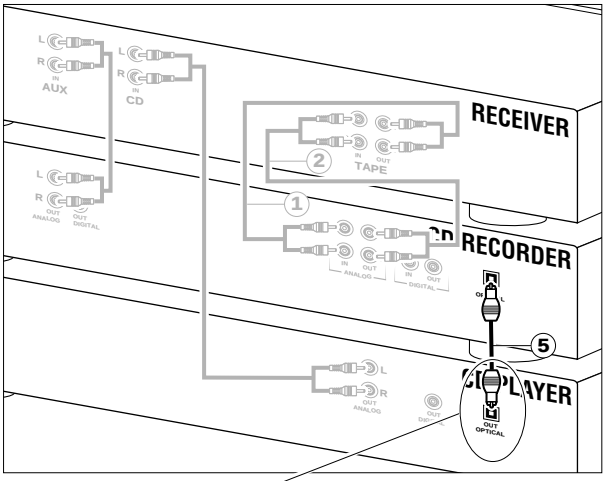
Use the digital coaxial cable supplied.

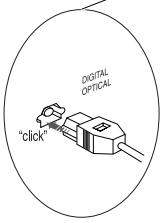
1 For external recording, connect the cable ④ between the DIGITAL IN-socket on the CD recorder and the DIGITAL OUT-socket of an external CD player.

Note: Your CD recorder is equipped with a digital coaxial output (common output for CD recorder & CD player deck). This output can be used for digital playback.

Digital optical connections CD recorder

This connection is only required if you want to make recordings from an external CD player with a digital optical output.





When connecting the Digital Optical cable, make sure it is fully inserted until there is a click.

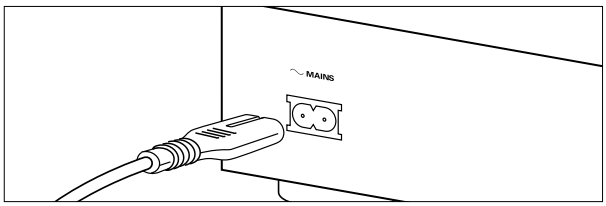
1 Remove the dust caps from the digital optical connection. (We recommend you save the cap.)

2 For external recording, connect a fibre-optic cable ⑤ between the digital optical input of the CD recorder and the digital-optical output of an external CD player.

Note: For playback, the digital coaxial outputs or analog outputs of the CD Player and CD recorder should be connected to an amplifier

INSTALLATION

Power supply



1 Plug the power cord supplied into the MAINS connector on the CD recorder, then into a mains socket.

2 Press ON/OFF.
➜ The recorder is now in Standby mode.

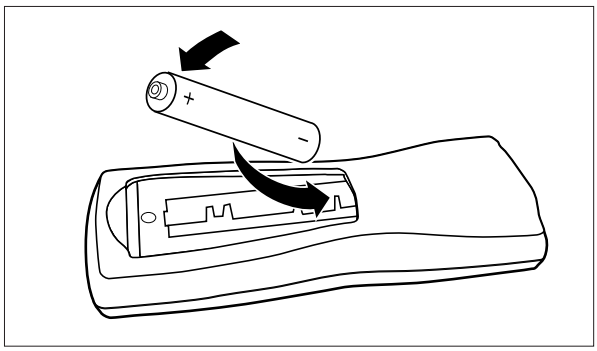
3 Press any key to activate the recorder.

Note:
- *The CD recorder will automatically adjust to the local mains voltage.*
- *When the CD recorder is in the 'OFF' position, it is still consuming some power. If you wish to disconnect your player completely from the mains, withdraw the plug from the AC outlet.*

Setup recommendations

- Place the CD recorder on a solid, vibration free surface.
- Do not place the CD recorder near a source of heat or in direct sunlight.
- Do not use the CD recorder under extremely damp conditions.
- If the CD recorder is placed in a cabinet, make sure that a 2.5 cm space remains free on all sides of the CD recorder/player for proper ventilation.

Inserting batteries in the remote control



1 Open the battery compartment cover.

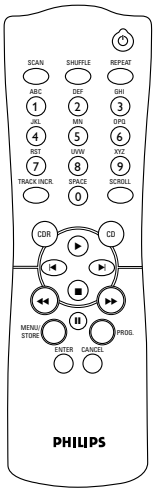
2 Insert 2 batteries ("AA", LR-6 or UM-3; as supplied) as shown.

3 Replace the cover.

Note: We recommend you use 2 batteries of the same type and condition.

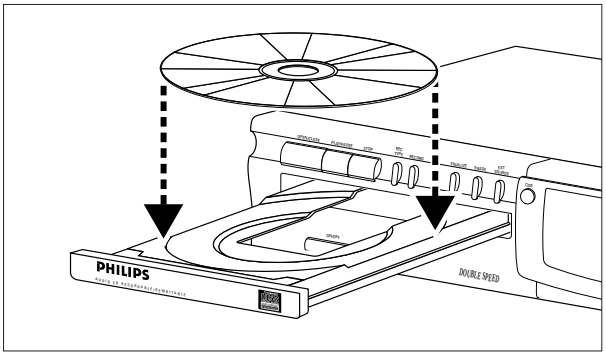
Batteries contain chemical substances, so they should be disposed of properly.

Remote control commands



STANDBY .....switches to Standby/On/Off
SCAN .....plays the first 10 seconds of each track
SHUFFLE.....plays CD(RW) or program in random order
REPEAT.....repeat play
Number/alphabet keys 0 - 9
.....- selects a track by number
- selects character for text input
TRACK INCR(ement) .....increases track numbers during recording
SCROLL.....activates scrolling of text over the display
CDR .....selects CD recorder
CD .....selects CD player
▶ .....starts CD(RW) play
⏮ .....previous track (Play and Program mode)
⏭ .....next track (Play and Program mode)
■ .....stops CD(RW) and clears a program
◀◀.....- searches backward
- cursor control in Menu/Prog. review mode
▶▶.....- searches forward
- cursor control in Menu/Prog. review mode
II .....interrupts CD(RW) play/recording
MENU/STORE .....- enters Menu mode
- stores Menu settings
PROG.(ram) .....opens/closes program memory
ENTER.....- selects settings in Menu mode
- programs track numbers
- starts playback of selected track
CANCEL .....- deletes tracks from a program
- deletes text in Menu mode
- returns to a higher level in the menu

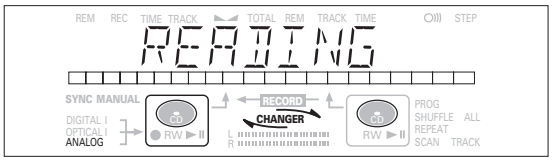
Inserting discs



1 Press OPEN/CLOSE to open the disc tray.
➜ *OPEN* lights up.

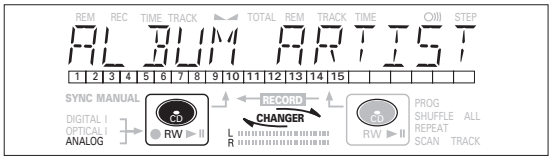
2 Insert a CD, CDR or CDRW in the appropriate recess in the tray, label side up.

3 Press OPEN/CLOSE to close the tray (see also Playing a CD).
➜ *CLOSE* lights up, followed by *READING* and the display will show the type of disc you inserted.



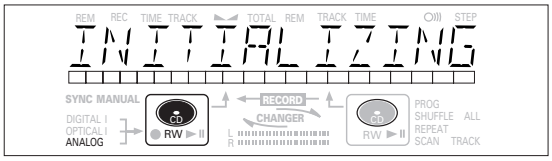
- If a CDR(W) is finalized it will show **CD** on the display.

- If CD-text is available the TITLE/ARTIST will scroll by.



Note:
- Only Audio CDs will be accepted. If a non-audio disc is inserted, the display shows WRONG DISC.

CD recorder deck only
- For recording it is important that the blank disc is completely free from dust particles or scratches. (see Disc maintenance).
- If you insert a blank or partly-recorded CDR or unfinalized CDRW, the CD recorder will calibrate the disc for optimum recording. During this process the display will first show INITIALIZING and then the number of audio tracks. Calibration can take up to 25 seconds.



RECORDING

Remarks about recording

You will soon discover how easy it is to make your own CDs. Nevertheless, it is advisable to use a CDRW disc for your first try. We will describe:
- Digital recording (fast or normal recording).
- Recording from external CD player:
  - Digital
  - Digital (synchronized start with external CD player)
  - Analog

• If the disc is a CDRW and is already finalized you must unfinalize it first.

• The recording procedure is the same for CDRs and CDRWs.

• If the disc already contains recordings, the CD recorder will automatically search for the end of the last track, so that recording can start from there.

• There must be at least 7 seconds of recording time left on the disc, otherwise you will not be able to enter record standby mode. DOES NOT FIT then lights up.

• If the display indicates COPY PROTECT, no digital recording can be made of the source material. Recording will not start.

• The **Serial Copy Management System** (SCMS) only allows digital recording under specific conditions:
  - This means that it is not possible to make a digital copy from a digital copy.
  - Analog recording is always possible !
  - The number of recordings from the original is unlimited.

• A maximum of 99 tracks can be recorded on a disc. Minimum allowable track length is 4 seconds.

• Recordings from DAT or DCC players will not always stop automatically.

Important:

If you want to play the recorded CDR disc on any regular CD player, it must first be finalized. See finalizing discs.

Finalized CDRW discs play only on CDRW compatible CD players.

For recording from CD changers always use REC EXT DISC.

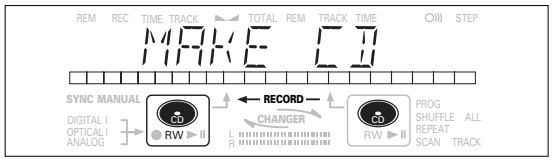
Recording modes

Your recorder offers several recording modes.

For recording from internal CD-deck:

- *RECORD FAST* (high speed recording) - fast recording of a disc or programmed tracks.
- *REC LISTEN* (normal speed recording) - listening to a recording while making it.
- *MAKE CD* (high speed recording and auto-finalize) - fast recording of a disc or programmed tracks. Recording will be finalized automatically.

Warning: *No more recording possible after finalizing CDR disc!*



For recording from external sources:

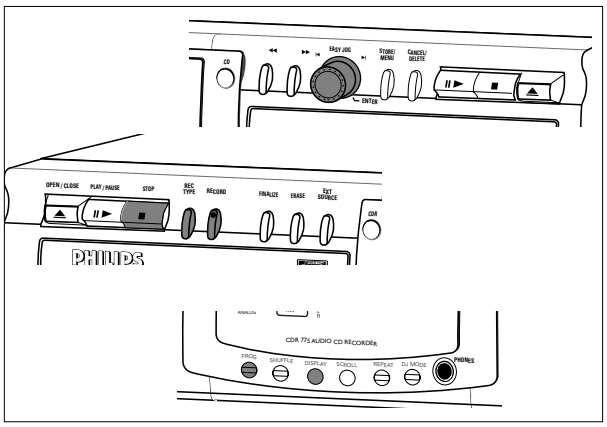
- *REC EXT DISC* (automatic start of recording) - to make an automatic recording of an external source simply by starting the source.
- *REC EXT MAN* (manual start of recording) - to start a manual recording from an external source.

Some remarks on recording:

- During high speed recording, the original recording quality will be maintained.
- When Auto track is on (default setting), track numbers will automatically be increased during recording.
- By programming tracks first, a compilation can be recorded.
- If a finalized CD recordable disc is inserted in the CD recorder, FINALIZED CD will be displayed. Recording is not possible.
- If a finalized CD rewritable disc is inserted in the CD recorder, UNFINALIZE and PRESS ENTER will be displayed when the REC TYPE is pressed. If ENTER is pressed, the disc will be unfinalized.

Note: If during recording ANALOG REC *appears, the track will be recorded as analog, at normal speed. All other tracks will be copied normally (at double speed).*

High speed recording from internal CD player

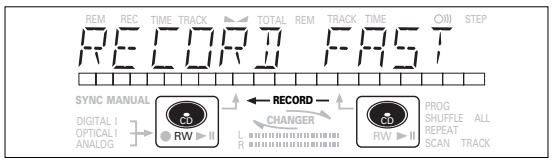


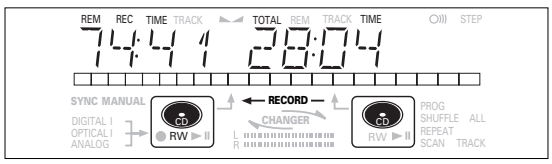
Preparing for high speed recording

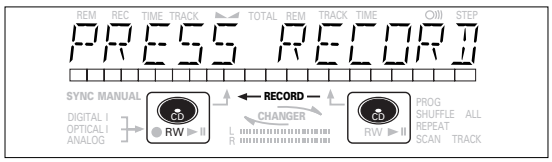
Make sure that the recording disc is absolutely free of scratches and dust particles.
During high speed recording the sound is not audible.

Start high speed recording

1 To choose the type of recording, press REC TYPE:
once: to select '*RECORD FAST*' if you wish to make a fast recording of a disc or programmed tracks;
three times: to select '*MAKE CD*' if you wish to make a fast recording of a disc or programmed tracks and to automatically finalize the recording. Also see 'Finalizing CDR & CDRW discs.'
➜ The display first shows the selection:
The ← **RECORD –** label starts blinking. After 3 seconds the display shows the remaining CDR(W) recording time on the left and total time of source on the right. (every 2 seconds *PRESS RECORD* is displayed.)
Both selection indicators are lit.







- Press PROG to select one or more tracks for recording (see programming):
  - rotate the EASY JOG/ENTER key to the required track number, then press the key (or ENTER on the remote control)

or

  - directly select the track number via the 10-keypad on the remote control

2 To start recording press RECORD.
➜ The display shows the real remaining time for the selected recording. High speed recording starts.
← **RECORD –** lights continuously.

- To check the elapsed recording time, press DISPLAY. This can be done during recording.

- Recording will stop automatically.

Note: Copy prohibited tracks will be copied analog. ANALOG REC is displayed.

3 To stop recording manually, press STOP.
➜ *WAIT* lights up, ← **RECORD –** goes out and recording stops. (Minimal track length must be 4 seconds otherwise silence will be added to the track.)

- If STOP was pressed within 3 seconds after RECORD, no recording will take place.

After recording, the display shows *UPDATE* for several seconds. The Total time indications can differ slightly. However, no music information is lost.

Note: In this Recording mode, the Pause function is not operative.

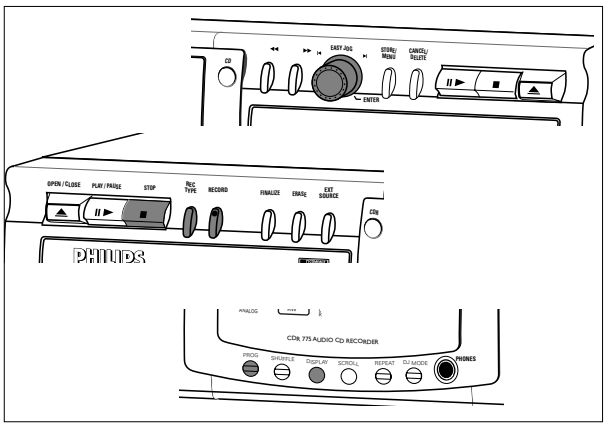
Important:

If you want to play the recorded CDR disc on any regular CD player, it must first be finalized. See finalizing discs.

Finalized CDRW discs play only on CDRW compatible CD players.

English

Listen mode recording from internal CD player

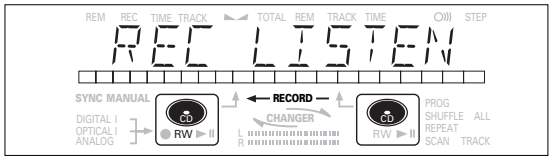


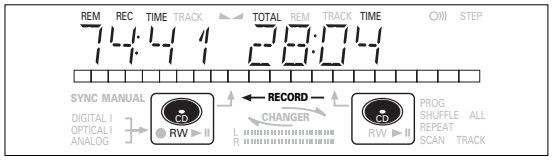
Preparing for Listen mode recording

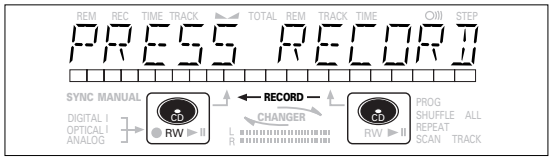
Make sure that the recording disc is absolutely free of scratches and dust particles.
During Listen mode recording you listen to the recording while you are making it.

Start Listen mode recording

1 For recording, press REC TYPE twice:
➜ the display first shows the selection:
the ← **RECORD –** label starts blinking. After 3 seconds the display shows the remaining CDR(W) recording time on the left and total time of source on the right. (every 2 seconds *PRESS RECORD* is displayed)
Both selection indicators are lit.







- Press PROG to select one or more tracks for recording (see programming):
  - rotate the EASY JOG/ENTER key to the required track number, then press the key

or:

  - directly select the track number via the 10-keypad on the remote control

2 To start recording, press RECORD.
➜ ← **RECORD –** lights continuously and the selected track or program is copied at normal speed. The recording time left will appear.

- To check the elapsed recording time, press DISPLAY. This can be done during recording.

- Recording will stop automatically.

Note: Copy prohibited tracks will be copied analog. ANALOG REC is displayed.

3 To stop recording, press STOP.
➜ *WAIT* lights up, ← **RECORD –** goes out and recording stops. (Minimal track length must be 4 seconds otherwise silence will be added to the track.)

- If STOP was pressed within 3 seconds after RECORD, no recording will take place.

After recording, the display shows *UPDATE* for several seconds. The Total time indications can differ slightly. However, no music information is lost.

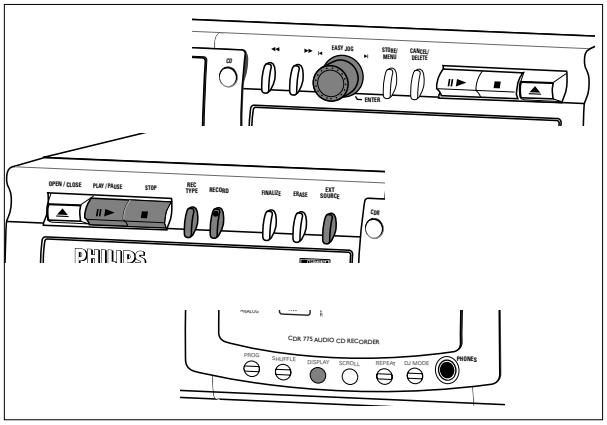
Note: In this recording mode, the Pause function is not operative.

Important:

If you want to play the recorded CDR disc on any regular CD player, it must first be finalized. See finalizing discs.

Finalized CDRW discs play only on CDRW compatible CD players.

Manual recording from external CD player



Important:

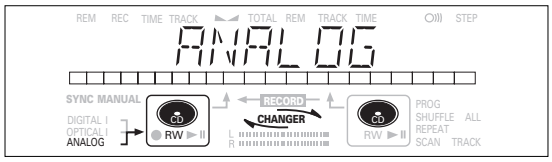
- Recording from CD-changers should always be started in the Auto-Start mode.

- Only make analog recordings when digital recording is not possible.

Preparing for manual recording

1 Make sure the disc is absolutely free of scratches and dust particles.

2 Press EXT(ernal) SOURCE repeatedly until (depending on the connection used):
➜ DIGITAL I ⮡, OPTICAL I ⟶ or ANALOG ⮥ lights up and DIGITAL 1, OPTICAL or ANALOG appears on the display.



- When Auto Track is On (default setting), track numbers will automatically be increased during recording.

- To switch off the Auto Track function you have to enter Menu mode.
  If you wish to increase track numbers manually, press TRACK INCR(ement) on the remote control. For further instructions see Menu mode.

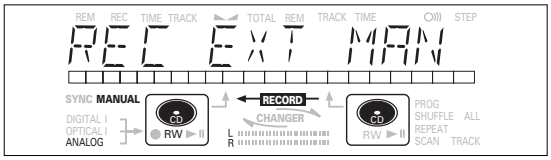
ON (AUTO): The track increments are automatically taken over from the digital source material or after 2.7 seconds silence during analog recording.

OFF (MANUAL): Track numbers can be incremented manually by pressing TRACK INCR(ement) on the remote control. (Minimum track length is 4 sec.) (This can also be done in Auto mode.)

- Track numbers cannot be changed after recording.

Note: Auto track works only with Consumer Sources with a digital output signal according to the IEC 958 (consumer part) audio standard.

3 With the recorder stopped, press REC TYPE four times to enter the Manual Record standby mode.
➜ **MANUAL** starts to flash and the display shows REC EXT MAN.



- If CHECK INPUT message also flashes, the digital connection is incorrect.

4 Play the source first to set the optimal recording level on the CD recorder.

5 Rotate the EASY JOG/ENTER key until, on the Record/Play Level bar, all the blue segments are alight, but the red segments do not light continuously during the loudest passages.
➜ Display shows -xx DB.

6 Stop the source.

Start manual recording

1 To start recording, press RECORD on the CD recorder and immediately start the source (from Stop-mode).
➜ ← **RECORD –** lights continuously. The track number and recording time left appear on the display.

- To record a 3-second silence at the start of a track, press PAUSE on the CD recorder before starting the source.

- To check the elapsed recording time, press DISPLAY on the CD recorder. (This can also be done during the recording.)

2 To stop recording, press STOP on the CD recorder.
➜ WAIT lights up and ← **RECORD –** goes out.

- If STOP was pressed within 3 seconds after RECORD, no recording will take place.

- To interrupt recording, press PAUSE on the CD recorder.
  ← **RECORD –** starts to flash. Resume at step 1.

After recording the display will show UPDATE for several seconds.

English

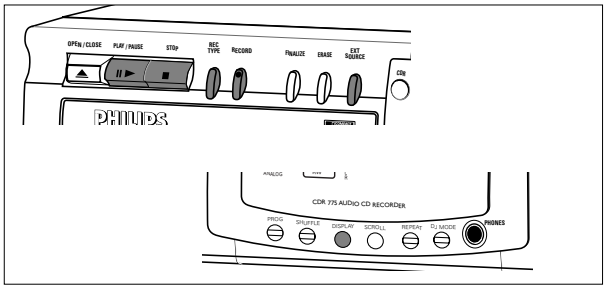
Note: With AUTO TRACK ON, the recorder will stop and go to REC STANDBY for 1 minute and then goes to Stop mode automatically. Recordings from DAT, DCC or recordings made analogously will stop after 20 seconds silence. With AUTO TRACK OFF, the auto stop mode is disabled.

Important:
If you want to play the recorded CDR disc on any regular CD player, it must first be finalized. See finalizing discs.

Finalized CDRW discs play only on CDRW compatible CD players.

For recording from CD changers always use REC EXT DISC.

Autostart recording from external CD player CD-SYNC

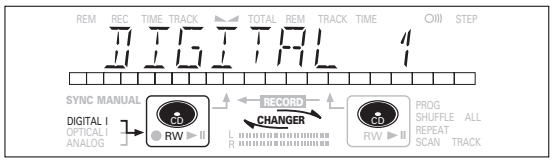


Preparing for autostart recording

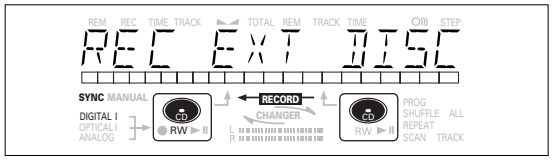
The CD-SYNC feature enables you to make fast and easy recordings of a CD. Track increments are automatically detected from the source material. Track increments cannot be added manually. In analog source material a silence of 2.7 seconds or more is automatically detected as a track increment.

1 Make sure the disc is absolutely free of scratches and dust particles.

2 Press EXT(ernal) SOURCE repeatedly until (depending on the digital connection used):
➜ DIGITAL I ⮡, OPTICAL I ⟶ or ANALOG ⮥ lights up and DIGITAL 1, OPTICAL or ANALOG appears on the display.



3 With the CD recorder stopped, press REC TYPE *five times:* if you wish to record a complete disc or program.
➜ ← **RECORD –** and **SYNC** start to flash and the display shows REC EXT DISC.



- If CHECK INPUT message also flashes, the digital connection is incorrect.

Start autostart recording

1 To start recording, press PLAY on the selected source.
➜ The CD recorder automatically starts to record and ← **RECORD –** lights continuously. The recording time left appears on the display.

- If, however, you start the source during a track, CD-SYNC recording starts at the beginning of the next track or after 2.7 seconds of silence in analog recordings.

- To check the elapsed recording time, press DISPLAY. (This can also be done during recording)

- The recorder stops automatically.

2 To stop recording manually, press STOP on the CD recorder.
➜ WAIT lights up and **SYNC** and ← **RECORD –** go out.

- If STOP ■ was pressed within 3 seconds after pressing PLAY, no recording will take place.

- To interrupt recording, press PAUSE on the CD recorder.
➜ ← **RECORD –** starts to flash. To resume, press RECORD on the CD recorder.

After recording the display will show UPDATE for several seconds.

Note: Recordings from DAT, DCC or analog sources will only stop after 20 seconds silence.

Important:
If you want to play the recorded CDR disc on any regular CD player, it must first be finalized. See finalizing discs.

Finalized CDRW discs play only on CDRW compatible CD players.

For recording from CD changers always use REC EXT DISC.

Finalizing CDR & CDRW discs

Finalizing is a simple procedure, necessary to:
- be able to play recordings on a CD PLAYER,
- avoid further unwanted recordings on a disc,
- avoid erasure of tracks on a CDRW.

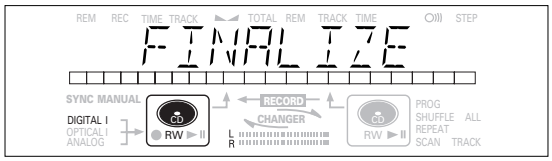
Auto finalizing

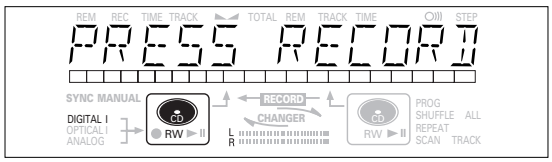
Auto finalizing is possible when using the MAKE CD recording function.

Manual finalizing

1 Make sure the disc (in the CD recorder) is absolutely free of scratches and dust particles.

2 With the recorder stopped press FINALIZE.
➜ The display shows FINALIZE and PRESS RECORD.





3 Press RECORD.
➜ xx xx FINAL and the approximate finalisation time appears on the display.
The display counts down through the finalisation.
On completion, the total number of tracks and the total time recorded appears on the display.
For CDR(W), **CDR(W)** changes to **CD** on display.

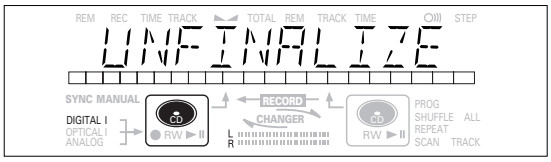
Finalizing will take at least 2 - 4 minutes.

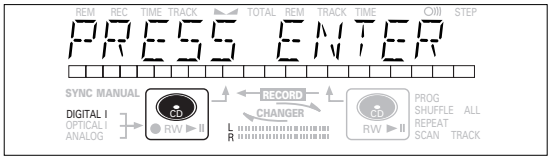
Note: During finalisation, the CD recorder accepts no operating commands.

Unfinalizing CDRW discs

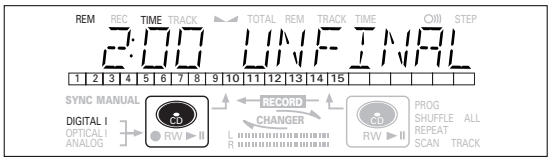
For CDRW discs only.
If you want to make more recordings (or erasures of tracks) on a finalized disc you must unfinalize it first. The Table of Contents (TOC) will be removed.
To unfinalize:

1 With the CD recorder stopped, press REC TYPE or ERASE.
➜ UNFINALIZE and PRESS ENTER will appear on the display.





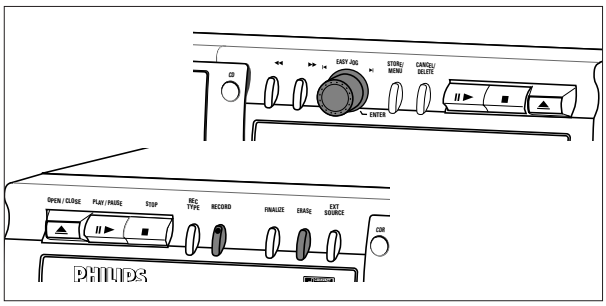
2 Press ENTER.
➜ The disc will now be unfinalized and can be recorded on again.



Note:
- *Unfinalizing will take approximately 2 minutes.*
- *When unfinalizing a CDRW disc with text on it available, this text will be transferred to the CD recorder memory. It may occur that the text memory is full. The message MEMORY FULL/FINALIZE CD will be displayed. You will now have to erase text, stored for other discs, or finalize another disc in order to obtain memory space.*

English

Erasing CDRW discs



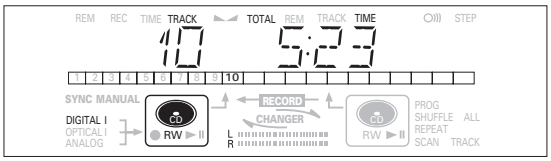
For unfinalized CDRW discs only.
You can erase:
- one or more tracks from the end,
- the entire disc.

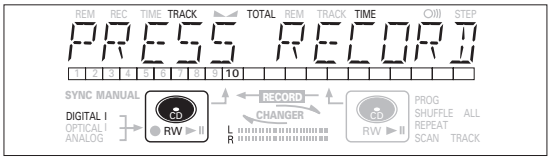
To erase one or more tracks from the end:

1 Press ERASE once.
➜ The display shows the number of tracks and their total playing time. *ERASE TRACK* and *PRESS RECORD* lights up.

• If the disc is finalized, **CD** appears on the display after inserting a CDRW in the recorder. The recorder will ask you to confirm unfinalizing first. Confirm by pressing the EASY JOG/ENTER key or ENTER on the remote control.

2 Select the track(s) you wish to erase by turning the EASY JOG/ENTER key to the left and confirm by pressing this key.
➜ The selected track numbers start blinking on the track bar.
➜ The display shows the remaining number of tracks and the remaining playing time after erasing the selected track(s).



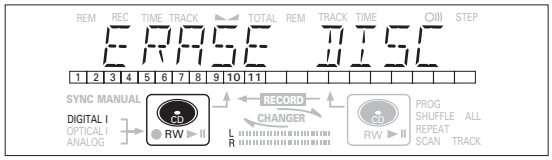


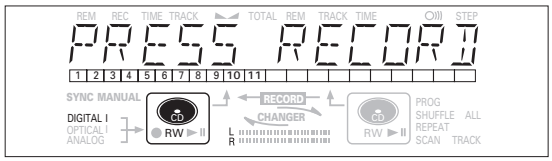
3 Press RECORD.
➜ The display shows the total countdown time and *ERASE*.
➜ After the selected track(s) have erased, the display shows the remaining tracks and their total playing time.

To erase the entire disc:

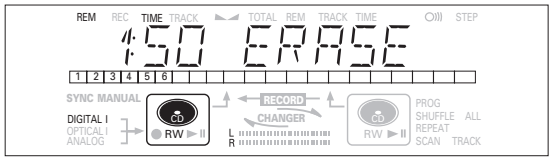
1 Press ERASE twice.
➜ The display shows the number of tracks and their total playing time. *ERASE DISC* and *PRESS RECORD* light up.

• If the disc is finalized, **CD** appears on the display after inserting a CDRW in the recorder. The recorder will ask you to confirm unfinalizing first. Confirm by pressing the EASY JOG/ENTER key or ENTER on the remote control.





2 Press RECORD.
➜ The display shows the total countdown time and *ERASE* The complete disc will be erased.

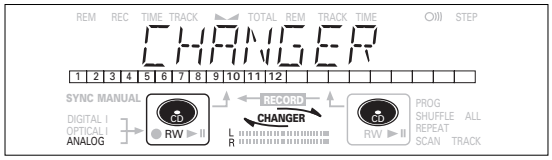


Erasure of a complete disc may take up to 1.5 minutes.

Play a 2-disc changer (Changer mode)

Your CD recorder is able to play the two decks sequentially (CHANGER mode). This is the default setting.

1 Select Changer mode using the DJ MODE key.
➜ CHANGER appears on the display and **CHANGER** lights up.



2 On the deck you want to play, press PLAY/PAUSE ▶ II to start CD play.
➜ The track number and track time of the track in play appear on the display.
➜ After playing the first disc the second disc will be played.

- Press DISPLAY once, twice or three times to see:
➜ remaining track time, total remaining time, text information (see Menu mode).

- To interrupt play temporarily, press PLAY/PAUSE ▶ II again.
➜ II lights on the display.

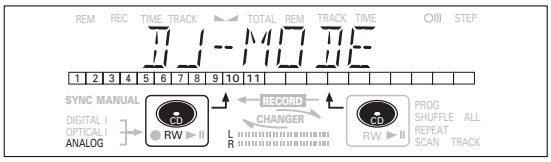
- To continue play, press PLAY/PAUSE ▶ II again.

3 To stop play, press STOP ■.
➜ The number of tracks and the total playing time appear on the display.

Playing CDs on Deck 1 and/or Deck 2 (DJ mode)

With this double deck it is possible to play the CD recorder deck and/or the CD player deck individually (at the same time). In this case the extra CD output must also be connected to an amplifier.

1 Select DJ mode using the DJ MODE key.
➜ DJ MODE appears on the display and ⅃ ⅂ lights up.



2 On the deck you want to play, press PLAY/PAUSE ▶ II to start CD play.
➜ ▶ lights up and the track number and track time of the track in play appear on the display.

- Press DISPLAY once, twice or three times to see:
➜ remaining track time, total remaining time, text information (see Menu mode).

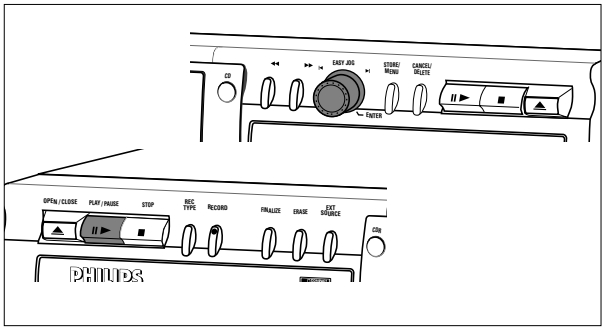
- To interrupt play temporarily, press PLAY/PAUSE ▶ II again.
➜ II lights on the display.

- To continue play, press PLAY/PAUSE ▶ II again.

3 To stop play, press STOP ■.
➜ The number of tracks and the total playing time appear on the display. If you want to see this information about the other deck, press CDR or CD.

English

Selecting a track



Selecting a track during play

1 Turn the EASY JOG/ENTER key until the required track number appears on the display.
➜ Play skips to the beginning of the selected track.

or

Select CDR or CD on the remote control and key in the required track number using the numerical keys on the remote control. For 2-digit track numbers, press the keys in rapid succession. For tracks on the other disc, first press CD or CDR as applicable.
➜ Play skips to the beginning of the selected track.

or

Press ⏮ or ⏭ on the remote control one or more times.
➜ Play skips to the beginning of the present, previous or subsequent tracks, including tracks on other disc. (Changer mode only.)

Selecting a track when CD play is stopped

1 Turn the EASY JOG/ENTER key until the required track number appears on the display.

2 Press EASY JOG/ENTER or ENTER on the remote control to confirm or press PLAY/PAUSE ▶ II to start playing.

or

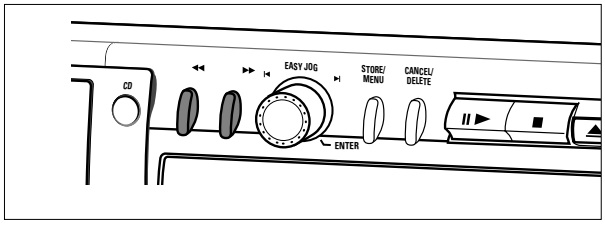
1 Select CDR or CD on the remote control and key in the required track number using the numerical keys. For 2-digit track numbers, press the keys in rapid succession. Play starts.

or

1 Briefly press ⏮ or ⏭ one or more times.

2 Start playback by pressing PLAY/PAUSE ▶ II, EASY JOG/ENTER or ENTER on the remote control.

Search



1 Hold down ◀◀ or ▶▶.
➜ The player first searches backwards or forwards at 10 times normal speed with sound at low volume, then goes to 50 times normal speed with sound muted.

2 Release the button at the desired passage.
➜ Play starts at the desired passage.

Note: During Shuffle, Repeat Track or Programmed play, search is restricted to within the track being played at the time.

Shuffle (random order) play

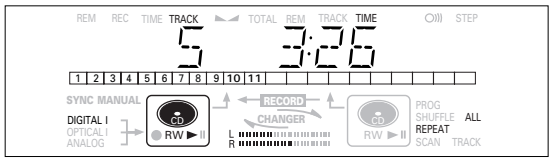
1 Press SHUFFLE before or during CD play to start shuffle play.
➜ The tracks on the CD (or program if set) play in random order.

2 Press SHUFFLE again to return to normal CD play.

Note: Shuffle is also cleared if you open the disc tray.

Repeat CD, track or program

1 Press REPEAT one or more times during CD play.
➜ When **REPEAT TRACK** lights up, the current track plays repeatedly. When **REPEAT ALL** lights up, the disc or program plays repeatedly.



2 To return to normal play, press REPEAT one or more times until:
➜ the **REPEAT** label disappears from the display.

Note:
- *You can use shuffle in combination with **REPEAT ALL** or programmed play of the 2-disc changer.*
- ***REPEAT** is also cleared if you open the disc tray.*

Remarks about programming

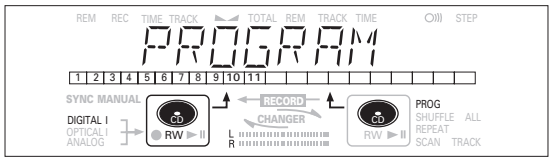
- You can program up to 99 tracks to play in any desired sequence.
- Tracks can be programmed more than once, but each time counts as a track.(**STEP**)
- A program for playback can be made from both the disc in the recorder and the disc in the player. A program for recording can only be made from the disc in the player (CD deck).

Programming for playback

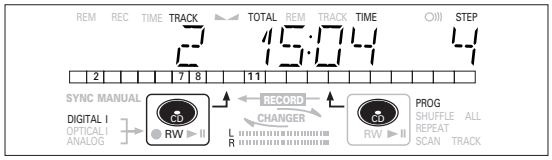
1 Select Changer mode or DJ mode using the DJ MODE key.
➜ CHANGER or DJ MODE appears on the display.

2 Press CDR or CD to select the required deck.
➜ Selected key lights up.

3 Press PROG(ram) to enter Program mode.
➜ **PROG** flashes and PROGRAM appears on the display.



4 Select the required track numbers by turning the EASY JOG/ENTER key left or right and store by pressing ENTER.



or:
Key in a track number with the number keys. For 2-digit numbers, press the keys in rapid succession.
➜ The track will be stored in the program.

➜ The track number, total program time and the number of programmed tracks (**STEPS**) are displayed.

5 Repeat step **3** to **4** for all tracks to be programmed.

6 Press STOP or PROG(ram) to end programming.
➜ **PROG** lights continuously.

7 Press PLAY/PAUSE ▶II to start programmed play.

Programming for recording

1 Press RECORD TYPE to select the required recording mode (see 'Recording').

2 Compile your programme as described in "programming for playback".

- Only tracks from the disc in the CD player can be stored.

3 Press RECORD to start recording.

Note:
- To review the program, press PROG(ram), followed by ◀◀ or ▶▶ with the CD player or CD recorder in stop mode.
*- To add more tracks to the program, repeat steps **1** to **7**.*
- If you try to store more than 99 tracks, PROG FULL appears on the display.

Clearing a program

1 Press STOP ■ if necessary to stop programmed play.

2 Press STOP ■ again to clear the program.
➜ **PROG** disappears from the display.

- The program is also cleared if you open the disc tray.

Erasing a track from a program

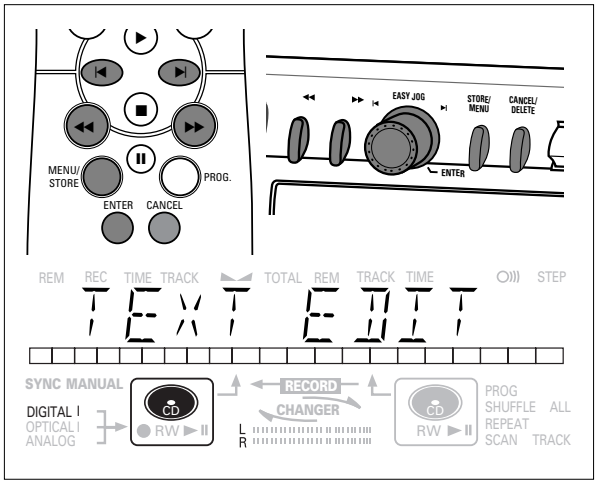
1 In Stop mode press PROG(ram) to enter Program mode.

2 Use ◀◀ or ▶▶ to select the track from which to delete.
➜ The track number and program step will be shown on the display.

3 Press DELETE/CANCEL to erase the track from the program.
➜ The remaining program steps and the remaining playing time of the program will be displayed.

English

Remarks about Menu mode



- In Menu mode you will have access to a number of features which are not available via the regular keys (on the deck's front and the remote control).
- The TEXT submenus allow you to give names to discs and tracks. The disc and track names will be displayed during playback.
- In the RECORDING submenus you can set Auto Track and Balance.
- All settings (except Balance) made in Menu mode will be stored in the deck's memory and can be called up and changed at any time.

General Operation

1 In Stop mode, select CDR.

2 Press STORE/MENU on the deck or the remote control to enter Menu mode.
➜ TEXT EDIT appears on the display.

3 Rotate EASY JOG/ENTER to select the required submenus.

4 Press EASY JOG/ENTER or ENTER on the remote control to confirm selections.

5 Rotate EASY JOG/ENTER to select options in the submenus.

6 Press EASY JOG/ENTER or ENTER on the remote control to confirm selections.

7 Press STORE/MENU to store settings and return to the submenu.

8 Press STOP ■ to store settings and exit Menu mode.

Note: Text can only be edited for <u>unfinalized</u> discs. (finalized CDRW discs must be unfinalized first)

Text settings

Storing names

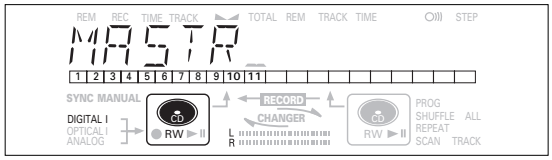
1 Select the TEXT EDIT submenu.
➜ TEXT EDIT appears on the display.

2 Press EASY JOG/ENTER or ENTER on the remote control to confirm.

3 Rotate EASY JOG/ENTER to select the required option in the submenu: CD Artist, CD Title,Track 1 Artist, Track 1 Title, etc.

4 Press EASY JOG/ENTER or ENTER on the remote control to confirm.

5 Select the characters by rotating the EASY JOG/ENTER key or by pressing the corresponding numeric/alphabet key on the remote control.



6 Press EASY JOG/ENTER or ENTER on the remote control to store the characters and move to the next cursor position.

7 Press STORE/MENU to store a name you have entered and return to the submenu or STOP ■ to exit.

Note:
- A maximum of 60 characters can be stored per item.
- By pressing the EASY JOG/ENTER key or ENTER on the remote control without selecting a character first, you can insert a space between characters.
- With the ◀◀ ▶▶ keys you can move to a required cursor position.
- With the DELETE/CANCEL key you can delete a character.
- When an artist's name has been stored for a certain track, the name will automatically be copied for the next track. The name can be confirmed by pressing STORE/MENU or a new name can be entered as described above.

Erasing names

1 Select the TEXT ERASE submenu.
➜ TEXT ERASE appears on the display.

2 Press EASY JOG/ENTER or ENTER on the remote control to confirm.

3 Rotate EASY JOG/ENTER to select the required option in the submenu: All Text, CD Title, CD Artist, Track 1 Title, Track 1 Artist, etc.

4 Press EASY JOG/ENTER or ENTER on the remote control to confirm.
➜ The display will ask you to reconfirm your selection.

5 Press EASY JOG/ENTER or ENTER on the remote control to reconfirm.

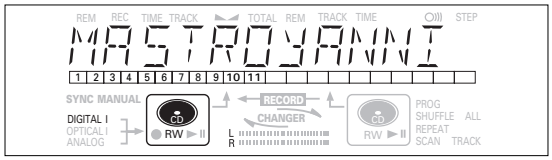
6 Press STORE/MENU to return to the submenu or STOP ■ to exit.

Text Memory Review/Erase Text Memory

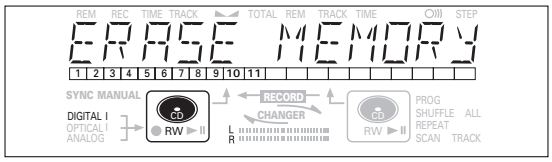
1 Select the MEMORY VIEW submenu.
➜ MEMORY VIEW appears on the display.

2 Press EASY JOG/ENTER or ENTER on the remote control to confirm.

3 Select the disc you wish to erase.



4 Press EASY JOG/ENTER or ENTER on the remote control to confirm.
➜ ERASE MEMORY appears on the display.



5 Press EASY JOG/ENTER or ENTER on the remote control to reconfirm.

6 Press the EASY JOG/ENTER key or ENTER on the remote control to confirm the erasure of the text for that particular disc.

7 Press STORE/MENU to return to the submenu or STOP ■ to exit.

Note:
- If there are no discs in the memory, the message MEMORY EMPTY appears on the display.
- When the text memory of your CDRecorder is full, the message MEMORY FULL will appear, followed by FINALIZE CD. If you want to add a CD to the list of discs for which text is stored, you have to erase a disc from this list or finalize another disc. ("for which text is stored")
- MEMORY FULL/FINALIZE CD may also appear when unfinalizing a CDRW disc for which text was stored (see 'Unfinalizing CDRW discs'). The same action(s) should be taken in order to obtain memory space.

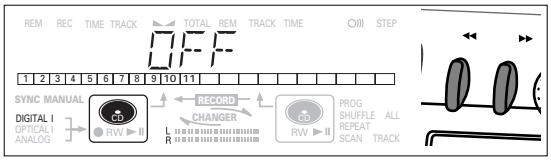
Recording settings

Auto track increment

1 Select the AUTO TRACKING sub menu.
➜ AUTO TRACK appears on the display.

2 Press EASY JOG/ENTER or ENTER on the remote control to confirm.

3 Select Auto track ON or OFF.



4 Press EASY JOG/ENTER or ENTER on the remote control to confirm.
➜ ON or OFF appears for 2 seconds on the display.

- When ON is selected, track numbers will be automatically incremented during recording.

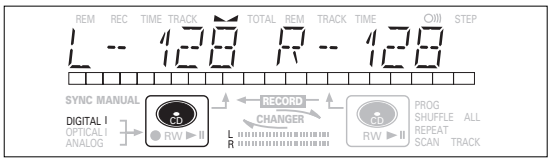
- When OFF is selected, you can number the recorded tracks yourself.

5 Press STORE/MENU to store settings and return to the submenu or STOP ■ to exit.

Balance (Only active in Record/Standby mode)

1 Select the SET BALANCE submenu.
➜ SET BALANCE appears on the display.

2 Press EASY JOG/ENTER or ENTER on the remote control to confirm.
➜ ◣◢ and L- 12 R- 12 appear on the display.



3 Adjust the internal and external recording balance by turning the EASY JOG/ENTER key.

- Turn left: the figure left (◣) counts up, right counts down.

- Turn right: the figure right (◢) counts up, left counts down.

4 Press EASY JOG/ENTER or ENTER on the remote control to confirm.

5 Press STORE/MENU to store settings.

Note: The balance setting will not be stored.

English

TROUBLESHOOTING

If your CD recorder is defective, it is wise to check this list first. You may have forgotten a simple step.

Warning!

Under no circumstances should you attempt to repair the CD recorder yourself as this will invalidate the guarantee.

SYMPTOM • possible solution:

No power
- ensure that the ON/OFF button is on: the CDRecorder is in standby mode, press any key to activate it
- ensure that the mains cable is plugged in correctly
- switch the recorder OFF and then immediately back ON

Auto track does not work
- check if auto track is selected
- check if there are 2.7 seconds silence in between the tracks (analog recording only)
- check if the source is a consumer source with the digital output according to the IEC audio standard
- source is DVD player (no track information)

No sound
- check the audio connections
- if using an amplifier, try using a different source

Amplifier sound is distorted
- check that the CD recorder analog output is not connected to the amplifier Phono input

Play will not start
- ensure that the label of the CD is facing up
- clean the disc
- check that the disc is not defective by trying another disc

Remote control does not work
- point the remote control directly at the CD recorder
- check the batteries and replace if necessary
- select the right source first

Will not record
- clean the disc
- check if CDR(W) is an unfinalized disc
- check that the disc is recordable and replace if necessary
- the disc is not an AUDIO disc (WRONG DISC)
- wrong input source chosen. Input label flashing (CHECK INPUT)
- text memory full (MEMORY FULL / FINALIZE CD). When a CDRW has to be unfinalized for recording. Erase text for other disc(s) or finalize other disc(s) to obtain memory space.

Recording is distorted
- make sure the recording level is correct

20 second pause between recordings
- see Autostart recording from external CD player (CD-SYNC).

Player does not react
- switch the ON/OFF button on the front of the player off and back on

DISC RECOVER **on display**
- a power failure has occurred during recording, the CD recorder is attempting to repair the disc
- if DISC ERROR then appears on the display, the disc cannot be recorded further, and cannot be finalized. But it can still be played on the CD recorder or another CD recorder.
- on a CDRW disc, the track being recorded is lost, but further recording and finalisation can still be done

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